

#3

RECEIVED 2420

FEB 06 2002 1600

1652 TECH CENTER 1600/2900

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,743

DATE: 01/02/2002

TIME: 11:28:01

Input Set : A:\Ascii (oct-01).seq.txt

Output Set: N:\CRF3\01022002\J014743.raw

ENTERED

SEQUENCE LISTING

2 (1) GENERAL INFORMATION:

- 3 (i) APPLICANT: PE Corporation (NY)
4 (ii) TITLE OF INVENTION: ENERGY TRANSFER DYES WITH ENHANCED FLUORESCENCE
5 (iii) NUMBER OF SEQUENCES: 3
6 (iv) CORRESPONDENCE ADDRESS:
7 (A) ADDRESSEE: David J. Weitz, Wilson Sonsini Goodrich
8 & Rosati
9 (B) STREET: 650 Page Mill Road
10 (C) CITY: Palo Alto
11 (D) STATE: California
12 (E) COUNTRY: USA
13 (F) ZIP: 94304-1050

15 (v) COMPUTER READABLE FORM:

- 16 (A) MEDIUM TYPE: 3.5 inch diskette
17 (B) COMPUTER: IBM compatible
18 (C) OPERATING SYSTEM: Microsoft Windows 3.1/DOS 5.0
19 (D) SOFTWARE: Word 97
20 ASCII (DOS) TEXT format

22 (vi) CURRENT APPLICATION DATA:

- C--> 23 (A) APPLICATION NUMBER: US/10/014,743
C--> 24 (B) FILING DATE: 29-Oct-2001
46 (C) CLASSIFICATION:

43 (vii) PRIOR APPLICATION DATA:

- 28 (A) APPLICATION NUMBER: 08/642,330
29 (B) FILING DATE: May 3, 1996
32 (A) APPLICATION NUMBER: 08/672,196
33 (B) FILING DATE: June 27, 1996
36 (A) APPLICATION NUMBER: 08/726,462
37 (B) FILING DATE: October 4, 1996
40 (A) APPLICATION NUMBER: 09/046,203
41 (B) FILING DATE: March 23, 1998
44 (A) APPLICATION NUMBER: 09/272,097
45 (B) FILING DATE: March 18, 1999

48 (viii) ATTORNEY/AGENT INFORMATION:

- 49 (A) NAME: David J. Weitz
50 (B) REGISTRATION NUMBER: 38,362
51 (C) REFERENCE/DOCKET NUMBER: 16842-776

53 (ix) TELECOMMUNICATION INFORMATION:

- 54 (A) TELEPHONE: (650) 493-9300
55 (B) TELEFAX: (650) 493-6811

57 (2) INFORMATION FOR SEQ ID NO: 1:

58 (i) SEQUENCE CHARACTERISTICS:

- 59 (A) LENGTH: 1217 nucleotides
60 (B) TYPE: nucleic acid
61 (C) STRANDEDNESS: single
62 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,743

DATE: 01/02/2002
TIME: 11:28:01

Input Set : A:\Ascii (oct-01).seq.txt
Output Set: N:\CRF3\01022002\J014743.raw

63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
64 GCCAAGCTTG CATGCCTGCA GGTCTGACTCT AGAGGATCCC 40
65 CGGGTACCGA GCTCGAATTC GTAATCATGG TCATAGCTGT 80
66 TCCTGTGTG AAATTGTTAT CCGCTCACAA TTCCACACAA 120
67 CATACGAGCC GGAAGCATAA AGTGTAAGC CTGGGGTGCC 160
68 TAATGAGTGA GCTAACTCAC ATTAATTGCG TTGCGCTCAC 200
69 TGCCCGCTTT CCAGTCGGGA AACCTGTCTG GCCAGCTGCA 240
70 TTAATGAATC GGCCAACGCG CGGGGAGAGG CGGTTTTCGT 280
71 ATTGGGCGCC AGGGTGGTTT TTCTTTTCAC CAGTGAGACG 320
72 GGCAACAGCT GATTGCCCTT CACCGCCTGG CCTGAGAGA 360
73 GTTGACAGCA GCGGTCCACG CTGGTTTGCC CCAGCAGGCG 400
74 AAAATCCTGT TTGATGGTGG TTCCGAAATC GGCAAAATCC 440
75 CTATAAATC AAAAGAATAG CCCGAGATAG GGTGAGTGT 480
76 TGTTCAGTT TGGAACAAGA GTCCACTATT AAAGAACGTG 520
77 GACTCCAACG TCAAAGGGCG AAAAAACGTC TATCAGGGCG 560
78 ATGGCCCACT ACGTGAACCA TCACCCAAAT CAAGTTTTTT 600
79 GGGGTCGAGG TGCCGTAAAG CACTAAATCG GAACCTAAA 640
80 GGGAGCCCCG GATTAGAGC TTGACGGGGA AAGCCGGCGA 680
81 ACGTGGCGAG AAAGGAAGGG AAGAAAGCGA AAGGAGCGGG 720
82 CGCTAGGGCG CTGGCAAGTG TAGCGGTCAC GCTGCGCGTA 760
83 ACCACCACAC CCGCCGCGCT TAATGCGCCG CTACAGGGCG 800
84 CGTACTATGG TTGCTTTGAC GAGCACGTAT AACGTGCTTT 840
85 CCTCGTTGGA ATCAGAGCGG GAGCTAAACA GGAGGCCGAT 880
86 TAAAGGGATT TTAGACAGGA ACGGTACGCC AGAATCTTGA 920
87 GAAGTGTTTT TATAATCAGT GAGGCCACCG AGTAAAGAG 960
88 TCTGTCCATC ACGCAAATTA ACCGTTGTAG CAATACTTCT 1000
89 TTGATTAGTA ATAACATCAC TTGCCTGAGT AGAAGAACTC 1040
90 AAACATATCG CCTTGCTGGT AATATCCAGA ACAATATTAC 1080
91 CGCCAGCCAT TGCAACAGGA AAAACGCTCA TGGAAATACC 1120
92 TACATTTTGA CGCTCAATCG TCTGAAATGG ATTATTTACA 1160
93 TTGGCAGATT CACCAGTCAC ACGACCAGTA ATAAAAGGGA 1200
94 CATCTGGCC AACAGAG 1217

96 (2) INFORMATION FOR SEQ ID NO: 2:

97 (i) SEQUENCE CHARACTERISTICS:

98 (A) LENGTH: 18 nucleotides

99 (B) TYPE: nucleic acid

100 (C) STRANDEDNESS: single

101 (D) TOPOLOGY: linear

102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

103 TGTAAAACGA CGGCCAGT 18

106 (2) INFORMATION FOR SEQ ID NO: 3:

107 (i) SEQUENCE CHARACTERISTICS:

108 (A) LENGTH: 738 nucleotides

109 (B) TYPE: nucleic acid

110 (C) STRANDEDNESS: single

111 (D) TOPOLOGY: linear

112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

113 ATACGACTCA CTATAGGGCG AATTCGAGCT CGGTACCCGG 40

114 GGATCCTCTA GAGTCGACCT GCAGGCATGC AAGCTTGAGT 80

RAW SEQUENCE LISTING

DATE: 01/02/2002

PATENT APPLICATION: US/10/014,743

TIME: 11:28:01

Input Set : A:\Ascii (oct-01).seq.txt

Output Set: N:\CRF3\01022002\J014743.raw

115	ATTCTATAGT	GTCACCTAAA	TAGCTTGGCG	TAATCATGGT	120
116	CATAGCTGTT	TCCTGTGTGA	AATTGTTATC	CGCTCACAAT	160
117	TCCACACAAC	ATACGAGCCG	GAAGCATAAA	GTGTAAAGCC	200
118	TGGGGTGCCCT	AATGAGTGAG	CTAACTCACA	TTAATTGCGT	240
119	TGCGCTCACT	GCCCCGCTTTC	CAGTCGGGAA	ACCTGTCGTG	280
120	CCAGCTGCAT	TAATGAATCG	GCCAACGCGC	GGGGAGAGGC	320
121	GGTTTGCGTA	TTGGGCGCTC	TTCCGCTTCC	TCGCTCACTG	360
122	ACTCGCTGCG	CTCGGTCGTT	CGGCTGCGGC	GAGCGGTATC	400
123	AGCTCACTCA	AAGGCGGTAA	TACGGTTATC	CACAGAATCA	440
124	GGGGATAACG	CAGGAAAGAA	CATGTGAGCA	AAAGGCCAGC	480
125	AAAAGGCCAG	GAACCGTAAA	AAGGCCGCGT	TGCTGGCGTT	520
126	TTTCCATAGG	CTCCGCCCCCC	CTGACGAGCA	TCACAAAAAT	560
127	CGACGCTCAA	GTCAGAGGTG	GCGAAACCCG	ACAGGACTAT	600
128	AAAGATACCA	GGCGTTTCCC	CCTGGAAGCT	CCCTCGTGCG	640
129	CTCTCCTGTT	CCGACCCCTGC	CGCTTACCGG	ATACCTGTCC	680
130	GCCTTTCTCC	CTTCGGGAAG	CGTGGCGCTT	TTCATAGCT	720
131	CACGCTGTAG	GTATCTCA			738

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/014,743

DATE: 01/02/2002

TIME: 11:28:02

Input Set : A:\Ascii (oct-01).seq.txt

Output Set: N:\CRF3\01022002\J014743.raw

L:23 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:24 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]